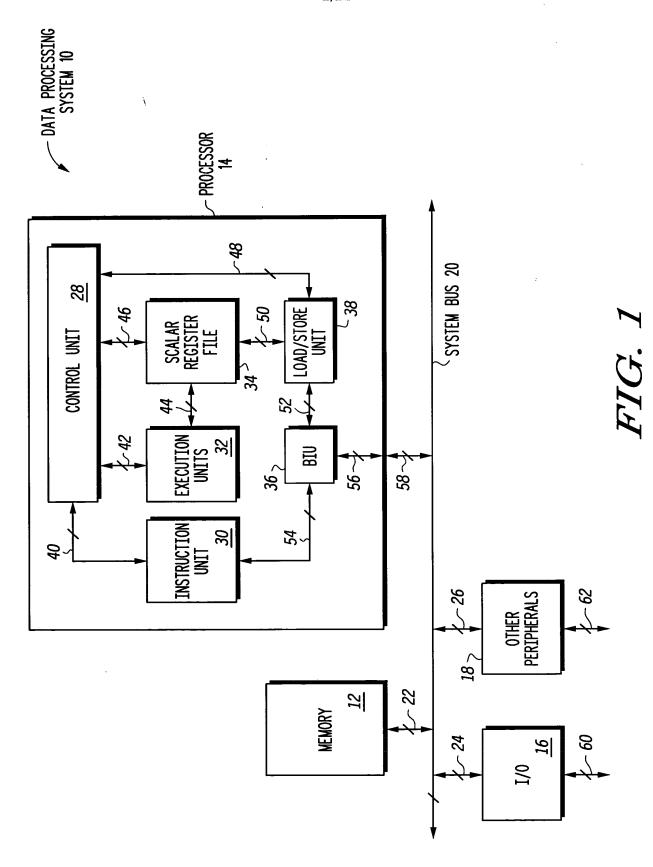


Γ



lvex.[s/u].[ms].[ds] rD, rA, rB

Γ

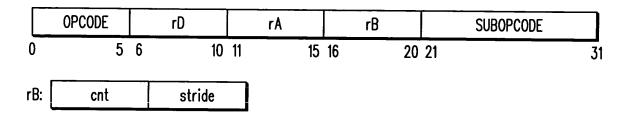


FIG. 2

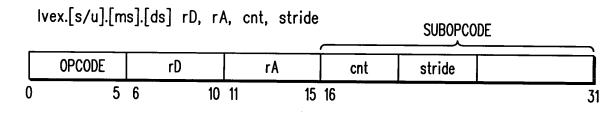


FIG. 3

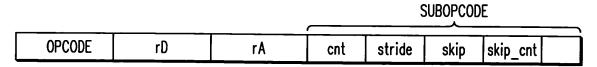
Imvex.[s/u].[ms].[ds] rD, rA, rB

OPCODE	rD	rA	rB	SUBOPCODE
				· · · · · · · · · · · · · · · · · · ·

	rB:	cnt	stride	skip	skip_cnt
--	-----	-----	--------	------	----------

FIG. 4

Imvex.[s/u].[ms].[ds] rD, rA, cnt, stride, skip, skip_cnt



Imvex2.[s/u].[ms].[ds] rD, rA, rB

 Γ

OPCODE rD rA rB SUBOPCODE

rB: cnt rcnt stride skip

FIG. 6

 $lstrmvex.[s/u].[ms].[ds] \ rD, \ rA, \ rB$

- 1					
	OPCODE	rD	rA	rB	SUBOPCODE

rB: cnt rcnt stride skip skip_cnt

FIG. 7

 $stvex.[s/u].[ms].[ss].[h/I] \ rS, \ rA, \ rB$

OPCODE	rS	rA	rB	SUBOPCODE

rB: cnt stride

 $stmvex.[s/u].[ms].[ss].[h/l] \ rS, \ rA, \ rB$

 Γ

OPCODE rS rA rB SUBOPCODE	
---------------------------	--

rB: cnt stride skip skip_cnt

FIG. 9

stmvex2.[s/u].[ms].[ss].[h/I] rS, rA, rB

OPCODE TS TA TB SUBOPCODE	OPCODE	rS	rA	rB	SUBOPCODE
---------------------------	--------	----	----	----	-----------

rB: cnt rcnt stride skip

FIG. 10

 $ststrmvex.[s/u].[ms].[ss].[h/l] \ rS, \ rA, \ rB$

				r -
OPCODE	rS	rA	rB	SUBOPCODE

rB: cnt rcnt stride skip skip_cnt

Г

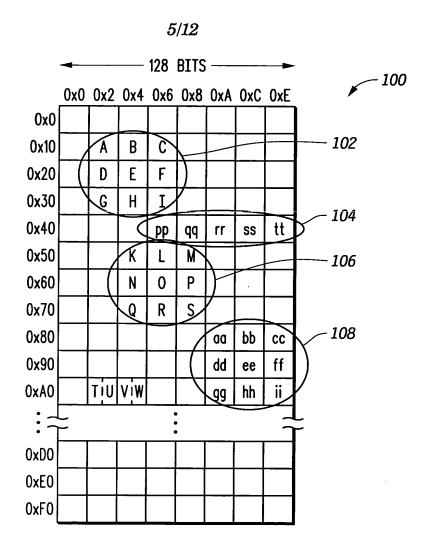


FIG. 12

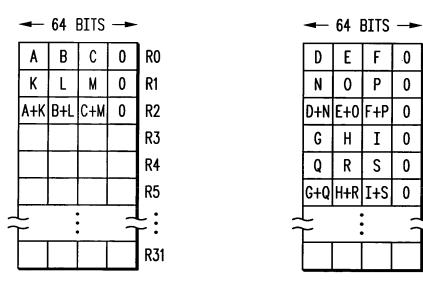


FIG. 13

FIG. 14

R0

R1

R2

R3

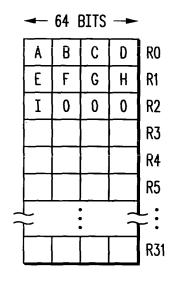
R4

R5

R31

0

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Γ

	←	64	BITS	-	
	Α	В	С	0	RO
	D	Ε	F	0	R1
	G	Н	I	0	R2
					R3
	- iT	-iU	- iV	0	R4
					R5
_				7	
				_	R31
					''''

FIG. 16

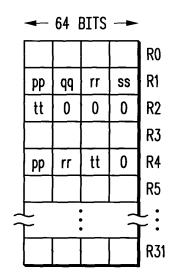
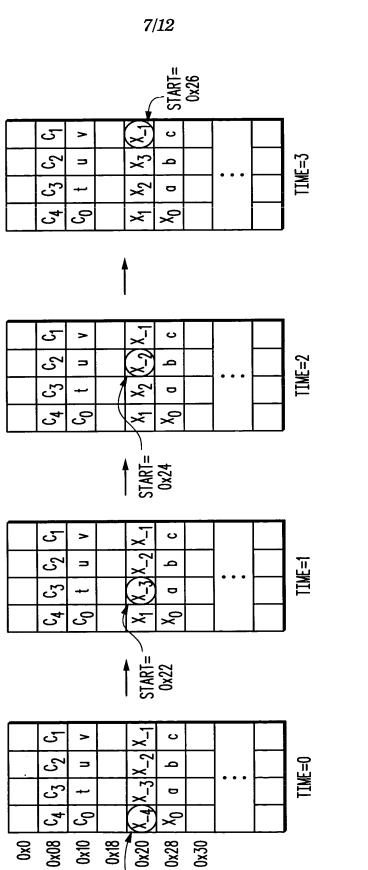


FIG. 17



↑ 64 BITS →

IG. 18

64 BITS							
	0x08						
	0x	20		R2			
	:						
C ₄	C_4 C_3 C_2 C_1						
c ₀	c_0 0 0 c_0						
X ₋₄	$X_{-4} \mid X_{-3} \mid X_{-2} \mid X_{-1}$						
x ₀	$X_0 0 0 0$						
$C_4 \cdot X_{-4}$	$C_4 \cdot X_{-4} + C_3 \cdot X_{-3} + C_2 \cdot X_{-2} + C_1 \cdot X_{-1}$						
c_0	-X ₀ +0-0	+0•0+0	-0	R11			

Г

← 64 BITS ← ►							
	0x24						
	:						
C ₄	C3	c_2	C ₁	R6			
c ⁰	c_0 0 0 c_0						
	$X_{-2} \mid X_{-1} \mid X_0 \mid X_1$						
_ X ₂	0	0	0	R9			
$c_4 \cdot x_{-2} + c_3 \cdot x_{-1} + c_2 \cdot x_0 + c_1 \cdot x_1$							
c_0	·X ₂ +0·0)+0-0+0	0-0	R11			

FIG. 21

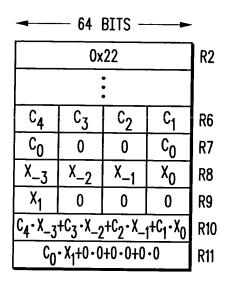


FIG. 20

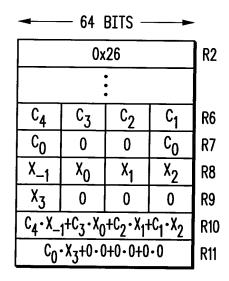


FIG. 22

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← 64 BITS →					
Α	В	С	0	R1	
K	N	Q	0	R2	
0x12					
0x54					

: A · K + B · N + C · Q R10 R11 R12

← 64 BITS →

0x12 0x54

Ε

N

D

F

Q

0

0

R1

R2

R3

R4

R5

FIG. 23

FIG. 24

	← 64 BITS ←						
	G	Н	Ι	0	R1		
	K	N	Q	0	R2		
!					R3		
		R4					
		R5					
	Α.	R10					
	D.	R11					
					R12		

← 64 BITS ←						
G	Н	I	0	R1		
L	0	R	0	R2		
				R3		
	0x	12		R4		
	0x54					
A٠	R10					
D.	D·K+E·N+F·Q					
G.	K+H	·N+I	• Q	R12		

FIG. 25

Imvex_skip_once.[s/u].[ms].[ds] rD, rA, rB

ODOODE				
OPCODE	rD	rA	rR I	CLIDADCADE
			10	SUBOPCODE

rB: cnt stride skip skip_cnt

FIG. 27

Imvex_cb.[s/u].[ms].[ds] rD, rA, rB

OPCODE	rD	rA	rB	SUBOPCODE

rB: buffer_size offset

Γ

FIG. 28

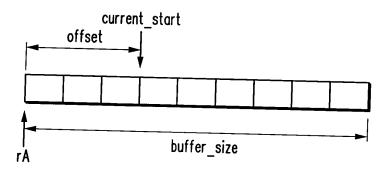


FIG. 29

lstrmvex_cb.[s/u].[ms].[ds] rD, rA, rB

ODCODE				
OPCODE	rυ	rA	rB	SUBOPCODE
				SODO! CODE

rB: buffer_size offset

 $Imvex_fft.[s/u].[ms].[ds] rD, rA, rB$

OPCODE	rD	rA	rB	SUBOPCODE

rB: radix

Г

FIG. 31

 $stmvex_fft.[s/u].[ms].[ss] \ rS, \ rA, \ rB$

Г					
	OPCODE	l rD l	r A	-D	CHDODOODE
ļ	OI OODL	ן טו	I A	10	SUBOPCODE
•					

rB: radix

FIG. 32

Imstrmvex_fft.[s/u].[ms].[ds] rD, rA, rB

				
OPCODE	rD .	l rA	rR	SUBOPCODE
	10		''	30DOL CODE

rB: radix

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	0x0							0xE	300
0x0									
0x10				Х ₀	Х ₁	Х2	X ₃	X ₄	
0x20	X ₅	Х ₆	X ₇						
0x30									
0x40			Y ₀	Y ₄	Y ₆	Y ₂	Y ₁	Y ₅	
0x50	Y ₃	Y ₇							
0x60									

FIG. 34

 Γ

X ₀	X ₄	Х ₆	X ₂	R1
Х ₁	X ₅	X3	x ₇	R2
				R3
Y ₀	Y ₁	Y ₂	Y ₃	R4
Y ₄	Y ₅	Y ₆	Y ₇	R5

FIG. 35